

TARGET 1B

Name _____ Date _____

Simplify each expression.

1. 9^2

2. 8^3

3. $\left(\frac{7}{8}\right)^2$

4. $(4 + 3)^2$

5. $8 + 5(7)$

6. $\left(\frac{21}{3}\right) - 2(3)$

7. $11(3) - 3^2$

8. $\left(\frac{15}{5}\right)^3 - 6(2)^2$

9. $(3(4))^3$

10. $3^4 - 2^4 \div 2^2$

11. $5[(4 + 8) - 3^3]$

12. $2[(7 - 10)^2 + 5]^2$

13. $[(32 \div 4)^3 - 500]^3$

14. $\left(\frac{2(-2)(4)}{12 - 4(2)}\right)^3$

Evaluate each expression for $x = 3$ and $y = 2$.

15. $x + 7$

16. $8 - y$

17. $\frac{x^3}{3} - 8$

18. $5(y)^3 - 6$

19. $-6(x)^2 + y^3 - 8$

20. $\left(\frac{x+1}{y^2}\right)^2$